

PURWANCHAL UNIVERSITY

VII SEMESTER FINAL EXAMINATION-2004

LEVEL : B. E. (Civil/Computer/Electronics & communication)

SUBJECT: BEG494MS, Project management

Full Marks: 80

Pass marks: 32

TIME: 03:00 hrs

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicates full marks.

Attempt any FIVE questions.

- Q. [1] Define project. What are the major characteristics of a project? Explain [4+12]
- Q. [2] How do you identify a project? Discuss project-planning steps in detail. [8+8]
- Q. [3] What are the conditions of criticality in a CPM network? Find the total time required to complete a project from the following information and data. Also calculate EST, EFT, LST, LFT, CP, and critical activities. [3+13]

Activity	Predecessor	Successors	Duration (days)
A	1-2	-	E,C
B	1-3	-	D,F
C	2-4	A	G,I,L
D	3-4	B	G,I,L
E	2-5	A	J,H
F	3-6	B	I,L
G	4-7	C,D	K
H	5-7	E	K
I	6-7	C,D,F	K
J	5-8	E	M
K	7-8	G,H,I	-
L	6-9	C,D,F	-
M	8-9	J	-

- Q. [4] Explain capital budgeting, its importance, types and phases. [4+4+4+4]

- Q. [5] Define Monitoring & Evaluation. Discuss the method of formulation of Monitoring indicators. [4+12]
- Q. [6] [a] What are environmental impacts? Discuss environmental problems in Nepal. [3+5]
- [b] Write a short note on (any TWO):
- (i) WBS
 - (ii) Market imperfections
 - (iii) Investment criterion.

<p align="center">PURWANCHAL UNIVERSITY VII SEMESTER BACK-PAPER EXAMINATION-2004 LEVEL : B. E. (Civil/Computer/Electronics & communication) SUBJECT: BEG494MS, Project management Full Marks: 80 Pass marks: 32</p>	
TIME: 03:00 hrs	

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicates full marks.

Attempt any FIVE questions.

- Q. [1] Discuss different phases of project life cycle. Define feasibility study. [12+4]
- Q. [2] Define project planning. What is resources scheduling? Discuss. [4+12]
- Q. [3] What are slacks? Calculate EST, EFT, LST, LFT, TF, FF, IF, CP and critical activities from the following information and data. [4+12]

Activity	Predecessor	Successors	Duration
1-2	-	2-3,2-4	6days
2-3	1-2	3-5,3-6	10days
2-4	1-2	4-6,4-7	8days
3-6	2-3	6-8	12days
4-6	2-4	6-8	7days
3-5	2-3	5-8	10days
4-7	2-4	7-8	12days
5-8	3-5	-	5days
6-8	3-6,4-6	-	9days
7-8	4-7	-	6days

- Q. [4] What are the different components of Master Budget? Discuss , with example, how Sales Budget is prepared? [8+8]
- Q. [5] What is a project control cycle? Discuss project Management Information System of a project. [8+8]

- Q. [6] [a] What are social impacts of a project? Explain. [8]
 [b] Write a short notes on (any TWO): [2×4=8]
 (i) GOPP
 (ii) Social impact externalities of project
 (iii) Biological impacts of environmental degradation.

PURWANCHAL UNIVERSITY
VII SEMESTER FINAL EXAMINATION-2005
LEVEL : B. E. (Civil/Computer/Electronics & communication)
SUBJECT: BEG494MS, Project management
TIME: 03:00 hrs

Full Marks: 80
Pass marks: 32

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt any **FIVE** questions.

- Q. [1]

Discuss Project phases and project Cycles. Define Project Appraisal.

[10+6]
- Q. [2]

Define three major component of Master Budge. Illustrate with example how sales budget is prepared.

[10+6]
- Q. [3]

Discuss about the plan of Operation. What are the different forms of its presentation?

[8+8]
- Q. [4]

Discuss Investment Criteria. What are the two major categories of Investment Criteria? Illustrate with example.

[4+12]
- Q. [5]

Draw network diagram based on the following data given. Calculate EST, EFT, LST, LFT and TF.

[6+10]

Activity		Duration	Predecessor
A	1-2	5	-
B	1-3	4	-
C	2-4	7	A
D	3-4	7	B
E	3-6	8	B
F	3-5	5	B
G	4-8	8	C,D
H	6-7	11	E,I
I	5-6	2	F
J	5-7	12	F
K	7-8	11	H,J

- Q. [6]

Write short notes on (any TWO):

[8+8]
- [a]

Project Monitoring and Evaluation.
- [b]

Manpower Leveling.
- [c]

Environmental Impact Analysis.

PURWANCHAL UNIVERSITY
VII SEMESTER BACK-PAPER EXAMINATION-2005
LEVEL : B. E. (Civil/Computer/Electronics & communication)
SUBJECT: BEG494MS, Project management
TIME: 03:00 hrs

Full Marks: 80
Pass marks: 32

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicates full marks.

Attempt any FIVE questions.

- Q. [1]

Define Goal Project Planning (GOPP). Discuss different phases of GOPP.

[4+12]
- Q. [2]

What are project-identifying tasks? Explain the project proposal procedure.

[8+8]
- Q. [3]

Draw a network form the following given data and find the total minimum project time of completion, critical activities and TF, FF and IF.

[6+10]

Activity	Times in days	Predecessor
A	8	-
B	6	-
C	8	-
D	9	A
E	10	A
F	13	B,D
G	11	C
H	10	C
I	10	F,G

- Q. [4]

What is profit planning(Budget). Discuss different types of budget.

[8+8]
- Q. [5]

What are the major project aspect for control? What is the purpose of quality control system?

[8+8]
- Q. [6]

[a] Explain environmental impacts of the projects. [8]

[b] **Write short notes on (Any TWO)** [4+4]

[a] Capital Budgeting.

[b] Earned Value.

[c] Bar Chart.

PURWANCHAL UNIVERSITY
VII SEMESTER FINAL EXAMINATION-2006
LEVEL : B. E. (Civil/Computer/Electronics & communication)
SUBJECT: BEG494MS, Project management
TIME: 03:00 hrs

Full Marks: 80
Pass marks: 32

Candidates are required to give their answers in their own words as far as practicable.

The figure in the margin indicates full marks.

Attempt any FIVE questions.

- Q. [1] Define Project. What are different characteristics of the project? How, project objectives and goals are set? [4+8+4]
- Q. [2] Draw a network from the following given data and find total minimum project time of completion, critical activities and EST, EFT, LST, LFT, TF and FF. [6+10]

Activity	Times in days	Predecessor
A	5	-
B	4	-
C	7	A
D	7	A,B
E	8	A,B
F	5	C,D
G	8	C,D
H	11	E,F
I	2	F,G

- Q. [3] Define feasibility study. How Project Proposal is prepared? [10+6]
- Q. [4] Discuss on capital planning and budgeting. Why investment decision does require special attention? Discuss different types and phases of capital budgeting. [4+6+6]
- Q. [5] Define three major component of master budget. Illustrate with examples how production budget is prepared. [10+6]

- Q. [6] [a] Discuss project scheduling with limited resources. Explain with example. [8]
- [b] Write short notes on (any TWO): [4+4]
- [i] Project control cycle.
- [ii] Project management investment system.
- [iii] Environment Impact Analysis.

PURWANCHAL UNIVERSITY
VII SEMESTER FINAL EXAMINATION-2007
LEVEL : B. E. (Civil/Computer/Electronics & communication)
SUBJECT: BEG494MS, Project management
TIME: 03:00 hrs

Full Marks: 80
Pass marks: 32

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicates full marks.

Attempt any FIVE questions.

- Q.

[1]

Discuss different phases of Project Life Cycle.

[16]
- Q.

[2]

Draw a network from the following five data and find total minimum project time of completion, critical activities and EST, EFT, LST, LFT, TF and FF.

[6+10]

Activity	Times in days	Predecessor
A	3	-
B	5	-
C	4	-
D	5	A
E	5	B
F	6	B,C
G	4	B,D
H	2	E,F
I	5	G,H

- Q.

[3]

Discuss project management Environment.

[16]
- Q.

[4]

Dicuss investment criteria. What are the two major categories of investemtne criteria? Illustrate with example.

[4+4+8]
- Q.

[5]

Discuss project control cycle. What are the different techniques involved in Project control.

[16]
- Q.

[6]

[a] Discuss Project scheduling with limited resources. Explain with example.

- [b]

Write short notes on (any TWO):

[4+4]
- [i]

Manpower leveling .
- [ii]

Project control cycle.
- [iii]

Social Impact analysis.

PURWANCHAL UNIVERSITY

VII SEMESTER FINAL EXAMINATION-2008

LEVEL : B. E. (Civil/Computer/Electronics & communication)

SUBJECT: BEG494MS, Project management

TIME: 03:00 hrs

Full Marks: 80

Pass marks: 32

Candidates are required to give their answers in their own words as far as practicable.

All questions carry equal marks. The marks allotted for each sub-question is specified along its side.

Attempt any FIVE questions.

- Q. [1] [a]** What is project life cycle? Explain the conceptual phases the project. [8]
[b] What is scheduling? Explain the advantages and disadvantages of bar chart. [8]
- Q. [2] [a]** Why feasibility study is so important for the project? Explain with flow chart. [8]
[b] What is goal oriented project planning? Explain its phases. [8]
- Q. [3] [a]** Why monitoring and evaluation system is so important in the project? Explain. [8]
[b] Define project control cycle. [8]
- Q. [4] [a]** Distinguish between Critical path Method (CPM) and programme, Evaluation and Review Technique (PERT). [4]
[b] Draw a Network Diagram for the following project given below and find : [12]
- Critical path
 - Critical activities
 - Project completion time.
 - Earliest start time (EST)
 - Earliest finish time (EFT)
 - Latest start time (LST)
 - Latest finish time (LET)
 - Total floats (TF)

Activities	Duration (in days)	Predecessors
A	2	-
B	5	-
C	5	A
D	3	A,B
E	4	A,B
F	4	C
G	4	E
H	8	F,D
I	3	G,D

- Q. [5] [a]** Define capital budgeting. Explain the investment criteria of capital budgeting. [8]
[b] What is master budget? Explain its components. [8]
- Q. [6] Write short notes on any TWO:** [2×8=16]
[a] Auditing (budget control)
[b] Work breakdown structure (WBS)
[c] Environmental-Impact Analysis (EIA)
[d] Project Management Information System (PMIS)

PURWANCHAL UNIVERSITY

VII SEMESTER CHANCE EXAMINATION-2009

LEVEL : B. E. (Civil/Computer/Electronics & communication)

SUBJECT: BEG494MS, Project management

TIME: 03:00 hrs

Full Marks: 80

Pass marks: 32

Candidates are required to give their answers in their own words as far as practicable.

All questions carry equal marks. The marks allotted for each sub-question is specified along its side.

Attempt any FIVE questions.

- Q. [1] [a]** What do you understand by project life cycle? Explain briefly the activities done in the implementation phase of the project. [8]
[b] What is project management? Explain briefly the factors which effect the project environment. [8]
- Q. [2] [a]** What are the techniques of scheduling? Explain briefly uses of bar chart. [8]
[b] What do you mean by feasibility study? Why we do feasibility study before implementation of the project? Explain [8]
- Q. [3] [a]** What is controlling system? Explain briefly the control cycle of the project. [8]
[b] What are the significance of the project management information system? Explain [8]
- Q. [4] [a]** What is capital budgeting? Explain the capital planning procedure of the project. [8]
[b] What is environment impact analysis (EIA) ? Explain the EIA process of the development project. [8]
- Q. [5] [a]** What are the characteristics of critical path? Explain. [4]
[b] Draw a network diagram for the following information given below: and also find :
- Critical path.
 - Critical activities
 - Project completion time.

- Earliest start time.(EST)
- Earliest finish time(EFT).
- Latest start time(LST)
- Latest finish time(LFT). &
- Total float(TF).

Activities	Duration (in days)	Predecessors
A	2	-
B	5	-
C	5	A
D	3	A,B
E	4	A,B
F	4	C
G	4	E
H	8	F,D
I	3	G,D

- Q. [6] Write short notes on any TWO: [2×8=16]**
- [a]** Master budget
[b] Work breakdown structure (WBS)
[c] Budget control method (auditing).
[d] Dummy activity, float and histogram.